2 NIGHT CABIN FISHING SET STAT ADELINE ISLAND!

The Mashkiiziibii Natural Resources Department is working on revising the Integrated Resources Management Plan (IRMP) from 2001. We would like to incorporate the thoughts and input of the community to make the document wholistic, relevant, and

representative.

Please take the time to provide your thoughts and **get** entered for a chance to win some great prizes!

Please take the time to provide feedback to MNRD to use in the revision process by snapping the QR code or visiting this link: https://survey.alchemer.com/s3/6601625/Mashkiiziibii-Natural-Resource-Department-IRMP-Community-Survey







Do you want

to know what

is happening??

Sign up for

Nixle Alerts

like us on

faceboo

0

888777

BADRIVER

TEXT 'BADRIVER' TO '888777

There has been a change to the Nixle alert system. You will only need ONE key word to sign up for each of the following

- Tribal Events & Operations Gives you warnings of emergencies (ex. forest fires, floods, amber alerts
- Alerts & Advisories Gives you updates on community happenings..(ex. poll location times unexpected department closures.
- Pow Wow Gives you updates on Pow-Wow and other community feasts and celebrations

Public Works Gives you updates on road closings and hydrant flushing.

< •

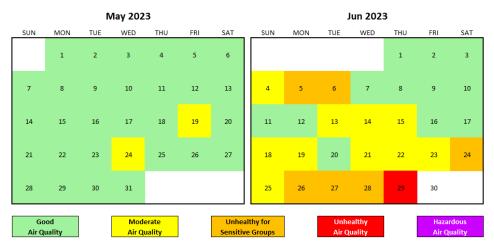


Prepare for More Wildfire Smoke in 2023

Nathan Kilger, Air Quality Specialist -



2023 started off with early wildfires, first in western Canada in April and May, then Quebec and Nova Scotia in the east in May and June.



Willipi Natural Resources De

Mashkiiziibii Natural **Resources Department**

72682 Maple Street PO Box 39 Odanah, WI, 54806

Phone: 715-685-7840 - 715-682-7123 Fax: 715-682-7118 Email: NRDOutreach@badriver-nsn.gov

~MISSION STATEMENT~

The Department strives for resource management which both conserves the natural resources for the future generations and provide for the needs of the present. The departments existence reflects the importance the Bad River Tribe places on its right and ability to exercise sovereignty, self-determination and self-regulation in the area of natural resource management.

Were on the Web! Visit www.badriver-nsn.gov

Mashkiiziibii Natural Resources

COMMON GROUND





Continued on page 6.

Special points of interest:

- Bad River Youth Harvest
- Sludge Sites and PFTAS Remediation
- Forestry Updates
- Larval Sea Lamprey Assessments
- Lake Superior Days "Save the Date"
- Nixle Alerts Sign Up
- Earth Day Raffle Winners

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Bad River Youth Participate in Spring Harvests, Celebrate with Feast

Nathanael Secor, IAS Coordinator - IAS@badriver-nsn.gov

M ashiiziibii's Indigenous Arts and Sciences (IAS) program has been busy with spring harvests! IAS has been collaborating with other Youth Services, Food Sovereignty, as well as UW-Ext, GLITC, and the SPARK! after school program to provide Bad River's youth with plenty of opportunities to get into the woods and out on the water to exercise their treaty rights and harvest these traditional foods. Starting in March, we helped facilitate this year's youth sugarbush which involved several dozen youth in tapping, collecting, and processing the sap into delicious syrup. We had a lot of fun and learned together and despite being a slow year, we are grateful for the bounty that we procured.

Bad River youth also participated again with spring walleye spearing in an intertribal collaboration with Red Cliff. The kids traveled down to Lake Namekagon near Cable to spear ogaa during the spring spawn and got the experience of har-

vesting as well as processing the fish to put food on their families' tables. A great time was had by all and the tradition of this intertribal youth event was strengthened. We celebrate these youth for practicing this traditional harvest and hope they continue to learn these skills for years to come.

As the last of the snow melted, we set our sights on the spring greens and all of the awakening plants and







New Forestry Staff Introductions

Ya'at'eeh, Tyrease James vinishye, TJ dashijini. Kin Lichii 'nii nishli, Biih Bitoohnii bashichiin, Hashtlishnii da shicheii, doo To Tsohnii da shinali. Window Rock, Arizona dee' naasha. Ashland, Wisconsindi shighan. Olta' wodahdi da bidziiligii Northland College wolyeedi iinishta' nit'ee'. Ako t'eego Dine hastiin nishli. Boozhoo Tyrease James nidizhinikas. Kin Lichii ⁷nii gaye, Biih Bitoohnii gaye, Hashtlishnii gaye, To Tsohnii nindoondem. Ashland nindoonjibaa.

[▼]reetings, I am Tyrease James, but people call me TJ. I am from the Dine (Navajo) tribe in Arizona. I am of the Red House people clan, born for the Deer Springs people clan, Mud people clan are my maternal grandfathers, and Big Water people clan are my paternal grandfathers. I am originally from Window Rock, Arizona and live in Ashland, Wisconsin. I came up to Ashland and Northland College in Fall of 2019 for college and as of May 2023 I graduated with a Bachelor of Science (BS) degree in Natural Resources with a double emphasis in Forestry and Ecological Restoration.

slide around in the winter looking for all the best snowboarding spots up here. Other activities I enjoy hiking in all seasons, snowboarding, kayaking, camping,

Here is a little more about me. I'm



BO ozhoo! My name is Jillian Lojas, and I am the new Climate Change Specialist for the Mashkiiziibii Natural Resources Department. I graduated from Northland College in 2021 with a biology degree. I am Inuk (Alaskan Native), so I am proud to work for the tribe. I have always felt a deep connection with the natural world, and focused on science in school so that one day I would be able to protect and heal the Earth. Before this, I worked for the Iron County Land and Water Conservation Department. In college I did a bit of eve rything. I spend time as a dogsled racer, a sailor, a veterinary technician, a wildlife rehabilitator, and a dairy farmer. When I'm not working, I'm running around the woods with my thirteen-year-old little dog. She is still somehow far more active than me. I have high hopes for the future of my position and am excited to be a part of this community. I can be reached at climate@badriver-nsn.gov or (715) 685-7840 ext. 1617



from Arizona, the parts where there are mountains with forests, valleys with grass fields, and reddishorange rocks. I fell in love with the area here in Northern Wisconsin because it was different yet like home. In college I adventured around the woods getting to know the land in the warmer months and



playing video games, cooking, baking, and swimming in Lake Superior.

Much of my experience has been involved with surveying and monitoring the resources for an entity or research project. Through my education and love for the outdoors I am here today as the new Forestry Technician for the Mashkiiziibii Natural Resources. I will be conducting forest inventory surveys across the Mashkiiziibii Reservation, I hope to format a plan to reintroduce ishkode (fire) into our management of the forest, and to promote the overall health of the natural resources here through my work. I am more than excited to get to know everyone in the department and on the Reservation.

Ahxe hee' nistaago. Nizhonigo naashnishgo dooleel. Thank you for giving me this opportunity and I look forward to doing great work. Email: foresttech@badrivernsn.gov

NEW Climate Change Specialist





JOIN US. Mashkiiziibij Lake Superior Days Celebration Friday, July 14th, 2023 11AM - 3PM @ Joe Rose Campground Educational Boot **OUESTIONS? Contact MNRD Outreach Coordinator at** 715-682-7123 ext. 1589

> OF Email: NRDOutreach@badriver-nsn.gov



By: Andrew Spychalla, Brownfield Program - brownfields@badriver-nsn.gov

something gets spilled, say, a glass of water onto the kitchen floor, usually you'd grab a towel and quickly clean it up. What if something gets spilled in a different room, by a different person, and you aren't told what was spilled? At that point you've got to grab that towel, a broom, and a mop, just in case. After decades of tests, and hundreds of samples taken, MNRD has a closet's-worth of cleaning supplies to pick from at the 3 sludge sites on the Reservation: Verlyn Clark, County Rd A, and Government Rd.

These sites have been described here for quite some time. Sampling for volatile organic compounds, heavy metals, and other contaminants has taken place over the years at these sites where wasteproducts from papermaking were dumped almost two generations ago. The choice was made to have these sites also sampled and analyzed for per-and polyfluoroalkyl substances (PFAS), or "forever chemicals." New regulations on PFAS have been released by the Environmental Protection Agency (EPA) as recently as March 14th, 2023, to determine the Health Advisory (HA) levels of these compounds in the environment, and there has also been an updated National Primary Drinking Water Regulation released. At County Rd A and Government Rd, monitoring wells were installed years ago to easily take samples and determine contaminant movement. These wells were also used for the PFAS sampling. 4 of the 5 wells sampled at County Rd A showed levels of either the compound PFOA, or PFOS, being above the Health Advisory level set by the EPA. At Government Rd, 3 of the 4 wells sampled showed levels above the Health Advisory level. At the Verlyn Clark site, homeowners around the site were asked if samples could be taken directly from their home to be tested, as this is the same water that comes from their kitchen or bathroom sink. All drinking water samples that were taken from homes around the Verlyn Clark site came back clear from these chemicals,

Sludge Sites and PFAS Remediation



which is the best-case scenario for human health and safety. After all this time, MNRD now has a plethora of information on what contaminants are at these sites. Since there is a chance of further movement into groundwater, the best course of action is cleanup. Funding has been acquired from the BIA, and acquaintances made with other Tribes and businesses has allowed the focus to shift to determining the best clean-up strategy at the site. The summer of 2023 will be spent working on that strategy, to continue to keep individuals and the environment as healthy as possible. Miigwech.



Chronicle of a Museum: Looking Forward, Looking Back

A Blank Canvas: The museum prepares for installation of an exhibit dedicated to the Kakagon Sloughs and manoomin. (MNRD photos)

By Paula Maday, Museum Manager - p.maday@badriver-nsn.gov

xcitement is building for the opening of the Moka'aangiizis-iban Tribal Museum in September. It has taken years of community engagement, planning, capacity building, and funding development to get to this point. How did we get here? Let's look back at some of the important work that's contributed to the development of Bad River's first museum.

Bad River tribal members as far back as the 1940s have indicated the desire for a tribal museum dedicated to our Ojibwe culture and history. For many years, the tribal library served as a catch-all for archival and museum materials donated to the Tribe. Exhibits were few and far between, limited to display cases or photo collages in hallways of tribal buildings. Everyone always loved looking at the old photos that Norma Soulier-our previous librarian, would tape up along the back wall of the Chief Blackbird Center.

To work toward the vision of creating a tribal museum in Bad River, the Tribal Historic Preservation Office (THPO) was awarded a grant from the Institute of Museum & Library Services (IMLS) in 2005-2006. The grant's purpose was to solicit input from community members and plan the development of a tribal museum/cultural center. The result of that project 18 years ago, was a 5-Year Strategic Plan that included development of a small Tribal Visitor's Center. The Tribal Visitor's Center would allow for installation of a small exhibit and garner interest, support, and funding for a larger Tribal Cultural Center. The former Tribal Clinic was identified as the prime location for the Tribal Visitor's Center. However, as time progressed, various challenges occurred, and the building sat vacant for years.

To continue taking steps forward, THPO applied for and was awarded another IMLS grant from 2014-2016. This grant brought me on in a consultant capacity to write a Quality Exhibit Management Plan to guide exhibit development and management across

tribal facilities. It also supported tribal staff training in the basics of exhibits. Through this project, we were able to put up four exhibits in various tribal buildings, including one at the Moccasin Trail Center, one at the Community Center, and two at the Chief Blackbird Center.

In 2018, tribal leadership held a series of community listening sessions to develop a 10-Year Tribal Strategic Plan. At that time, the goal of developing a tribal museum remained in the heart of the community. The first goal of that Tribal Strategic Plan is to prioritize language and culture. Development of the Moka'aangiizis-iban Tribal Museum is one of the key initiatives that support fulfillment of that goal.

In 2021, the Tribe completely renovated the former Tribal Clinic location to develop space for the Moka'aangiizis-iban Tribal Museum. We now have a place for exhibits, programming, and collection storage. With



Rising Sun: The Moka'aangiizis-iban (Rising Sun) Tribal Museum is located in the heart of the former Tribal Clinic building. The fully reproved space was named in honor of the late loc Rose. Sr. a well-reproduced Fider of the Bad River Band (MNRD photo)

help once again from IMLS, the Tribe hired me full-time as the Museum Manager in 2022. My current priorities are to get the museum operational and organized, and to develop an exhibit dedicated to the Kakagon Sloughs.

After many years, we have the space, the staff, and the support to move our museum forward. As the Moka'aangiizis-iban Tribal Museum comes to life as the Tribal Visitor's Center that was dreamed up all those years ago, it is the perfect time to assess what has been accomplished and re-engage with the community on institutional planning and policy development

that will guide our museum into the future. To that end, I have applied for additional funding from IMLS to create a new 5-Year Strategic Plan for the museum. There is a lot of dreaming to do and work to be done toward creation of a larger, standalone museum/cultural center that will share our history, our culture, our language, and our stories, in our own way. I hope you will join me on the journey.

Chi-miigwech to our former Tribal Historic Preservation Officer Edith Leoso for her vision, work, and dedication to the museum. From the time it was just a seed, thank you for nurturing this dream.

Funding for this project was provided in part by the Historic Preservation Fund (HPF) administered by the National Park Service.

This project was made possible in part by the Institute of Museum and Library Services.



Mashkiiziibii Natural Resources Forestry

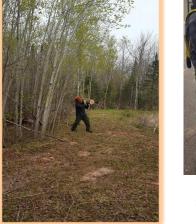
BY Gena Abramson, Forestry Specialist – Forester@badriver-nsn.gov

aniin! The past few weeks have been monumental. as Bad River's Forestry Program has had two full time permanent foresters working to create a better forest for the 7th generation! Tyrease James started May 1st as our Forestry Technician. Check out his intro article within this newsletter to find out more about him!

While initiating the non-trust lands inventory training took up most of the month, we were able to fit in some other work to serve the Bad River Community.

Around mid-May we helped April Stone-Dahl harvest some black ash (baapaagimaak) logs from the soonto be BRHWC clinic expansion.

April and her friend, Ani, TJ, and I cut and hauled logs out of a hummocky, wet ash swale that will be transformed into a developed area soon. Ash logs are not lightweight!



TJ hauls a log by himself, showing his dedication to the job at hand



The Falls at Mashkii-ziibii were a mighty sight to see in May of 2023

- work cell: 715-685-8929



Gena standing by a beautiful birch tree (miikawaadizi-wiigwaasaatig)



April shows TJ a baapaagimaak basket that she made with strips that were pounded from an ash log. We're hoping to have the opportunity to help pound some this summer!

If you see us hitting a log with a rubber mallet out in front of the Chief Blackbird Center, please feel free to stop by and help. It's a lot of work and it helps to be of how the and



Baapaagimaak is under threat from the Emerald Ash Borer which is expected to kill all ash. In January of 2022, the forest pest was discovered on the western edge of the Bad River Reservation Genetic modification is being pursued by universities and USDA to develop black ash that will be resistant to EAB.



Seeing sugar maple regeneration (ziinzibaakwadoons) provides a good feeling for future generations' gathering opportunitie

Successful regeneration transforming into a sugarbush comes from tending the forest (mitigoog gitigaan) respo



TJ looking at a portion of old growth in a ravine near Birch Hill - a survey corner was found nearby, and we recorded the location using a GPS.





Larval Sea Lamprey Assessment

Jacob Rodmaker, Fisheries Specialist - fisheryspecialist@badriver-nsn.gov

or two weeks starting August 15th, 2023, the United States Fish and Wildlife Service (USFWS) along with MNRD fisheries staff will be conducting larval Sea Lamprey assessments within the Bad River watershed. The purpose of this assessment is to identify the extent of the range of the larval Sea Lamprey within the Bad River tributaries such as Potato River, Vaughn Creek, and Marengo River. This assessment is designed to ensure that USFWS does not unnecessarily treat sections of streams that do not have larval Sea Lamprey in-

1-611 Bad River 2021Treatment



Figure 2: 2021 Sea Lamprey treatment map.

habiting them. The assessment is done by wading in streams and backpack electrofishing for the larvae (As Pictured in Figure 1). The information gathered through this assessment will update the treatment map (Figure 2) from the last treatment. The last treatment was conducted in late September of 2021. The next treatment is likely to occur in 2024. If you have questions on this assessment or how Sea Lamprey interact within the Bad River and Lake Superior either call or email Jacob Rodmaker; Fisheries Specialist at 715-682-7123 ext. 1552 or fisheryspecialist@badriver-nsn.gov



Figure 1: Laval Sea Lamprey from 2019 larval assessment

2022, Edith (Bardo) Leoso retired from the Mash kiiziibii Natural Resources Department after working 17 years as the Tribal Historic Preservation Officer (THPO). Edith was hired in



2005 as the first ever THPO for the Bad River Band. Over the years, she reviewed numerous projects proposed and engaged in ways to protect the cultural and natural resources. Edith taught countless lessons about Nibi (water), manoomin (wild rice), and the history and culture of the Tribe to

a range of audiences. She's been an advocate for our Indigenous Arts and Sciences (IAS) program, engaging youth and educators with traditional knowledge. Edith has done so much more than this, such as helping to start a museum in the community (see article written by Paula Maday, our Museum Manager for more details). Congratulations to Edith on her retirement and chi miigwech (thank you) for her 17 years of hard work, dedication, and leadership serving as Bad River's



Mashkiiziibii NRD is seeking applications for our full-time Deputy THPO position along with some seasonal positions. To learn more about these positions and other opportunities with the Bad River Band, please visit our career's webpage: Careers – Bad River Tribe (badriver-nsn.gov)

Congratulations on your Retirement Edith!





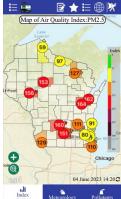


Wildfire Smoke continued...

Smoke has already moved across the Lake Superior region, producing MODERATE air quality on three days so far in 2023 and Unhealthy for Sensitive Groups air quality on two days so far. A calendar view helps show which days had elevated air quality values.

Please download the Wisconsin AQM app and bookmark the Wisconsin DNR page that collects all the air monitoring data in Wisconsin:

https://airquality.wi.gov/home/map



The real-time air quality index measured in Odanah can be accessed at this page, there are different graphs there that show current and recent air quality index values: https://tinyurl.com/3e6a6kff

More information for preparing and dealing with wildfire smoke can be found at: 04 June 2023 14:202 https://www.badrivernsn.gov/wildfire-smoke

	Harmful particle pollution is one of our nation's most common air pollutants. Use the chart below to help reduce your exposure and protect your health. Visit AirNow, gov for your local air quality forecast (www.airnow.gov).			
	Air Quality Index	Who Needs to be Concerned?	What Should I Do?	
Normally we are impacted by wildfire smoke, but since we have already seen extremely early wildfires in Canada, we have to expect that the warm summer months will bring more peri- ods of smoke into our area.	Good (0-50)	It's a great day	y to be active outside.	
	Moderate (51-100)	Some people who may be unusually sensitive to particle pollution.	Unusually sensitive people: Consider making outdoor activities shorter and less intense. Watch for symptoms such as coughing or shortness of breath. These are signs to take it easier. Everyone else: It's a good day to be active outside.	
	Unhealthy for Sensitive Groups (101-150)	roups with heart or lung disease, older	Sensitive groups: Make outdoor activities shorter and less intense. It's OK to be active outdoors, but take more breaks. Watch for symptoms such as coughing or shortness of breath.	
			People with asthma: Follow your asthma action plan and keep quick relief medicine handy.	
			People with heart disease: Symptoms such as palpitations, shortness of breath, or unusual fatigue may indicate a serious problem. If you have any of these, contact your health care provider.	
	Unhealthy (151-200)	Everyone	Sensitive groups: Avoid long or intense outdoor activities. Consider rescheduling or moving activities indoors.*	
			Everyone else: Reduce long or intense activities. Take more breaks during outdoor activities.	
	Very Unhealthy (201-300)	Everyone	Sensitive groups: Avoid all physical activity outdoors. Reschedule to a time when air quality is better or move activities indoors.*	
			Everyone else: Avoid long or intense activities. Consider rescheduling or moving activities indoors.*	
	Hazardous (301-500)	Everyone	Everyone: Avoid all physical activity outdoors. Sensitive groups: Remain indoors and keep activity levels low. Follow tips for keeping particle levels low indoors.*	

e: If you don't have an air conditioner, staying inside with the windows closed may be dangerous in extremely ha er: If you are hot, go someplace with air conditioning or check with your local government to find out if cooling rs are available in your community.



Bad River Youth continued...

the food they have to offer. We provided several opportunities for youth to harvest both on and off reservation. Together, we harvested zhiigagawanzh (wild onions) as well as learned about fiddleheads, tried Solomon's Seal shoots, wood violets, basswood leaves, and other tonic greens. The youth helped harvest these foods for our spring feast which celebrated the seasonal bounty of this time of year. On May 26th, we met up at Food Sov and brought the kids and various programs together to reflect on what we learned and feast on the foods that we've been harvesting. A number of the youth played lacrosse, Nate Ante drummed for those assembled, and Maria Nevala offered words of gratitude for the bounty and encouragement for the



youth to continue with these practices. It was a fun and beautiful celebration and the food was phenomenal! Chi Miigwech for all the youth and youth workers for making this spring's harvests a success!





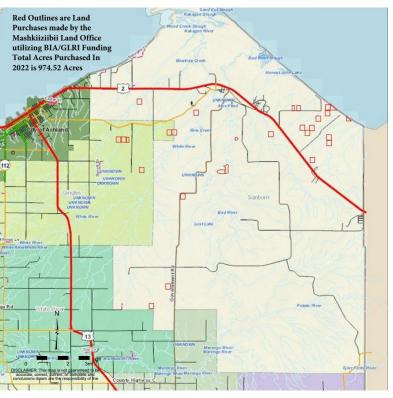
Purchased properties, located within the Bad River **Reservation boundaries. (Watershed Tributaries)**

Charles Connors, Land Office Manager- landmanagement@badriver-nsn.gov

1:022-00473-0000	SW1/4 SE1/4 T46N R3W SEC. 9 - 40.0 acres (Elm
Creek)	Concernment D = - 1 W - + - 1 -
2: <u>022-00581-0000</u> Named Creek)	<u>Government Road West side:</u> SE1/4 SE1/4 T46N R3W SEC. 17 - 40.0 acres (Un-
3: 022-01472-0000 Creek)	Government Road West side: NE1/4 SW1/4 T48N R2W SEC. 35 - 40 acres (Newago
4: <u>022-00768-0100</u> (Morrison Creek)	East of Madigan Rd: NE1/4 NW1/4 T47N R2W SEC. 11 - 40.0 acres
	North U.S. 2, East Madigan Rd:
Sub-Total Acreage	= 74.4 acres.
1: 022-01469-0000	GOVT LOT 3 V 679 PG 959 SEC. 35 T48N R2W 27.8
Shore:	Lake Road East Side on Lake
2: 022-01470-0100 46.6A	GOVT LOT 4 (V 679 PG 959) SEC. 35 T48N R2W
Sub-Total Acreage	Lake Road East Side on Lake Shore = 26.7 acres.
1: 022-01478-0000	GOVT LOT 2 SEC. 36 T48N R2W 23.4A Madigan Road East Side on Lake Shore:
2: 022-00711-0200	GOVT LOT 2 SEC. 6 T47N R2W 3.3A Pine Flats Road W Side, W Side Bad Rive
Sub-Total Acreage	
1: 022-01147-0000	GOVT LOT 8 SEC. 13 T47N R3W 18.5A
2: 022-01145-0000	Lake Road East Side on Lake Shore: GOVT LOT 6 SEC. 13 T47N R3W 42.1A Lake Road East Side on Lake Shore:
Sub-Total Acreage	
1: 022-00678-0000	NESW Section 3 T47N-R02W 40.0 acres PFCL 75' (Un Madigan Road West side:
2: 022-00705-0000	NWSE Section 5 T47N-R02W 40.0 acres PFCL 77' (De South side U.S. 2 across from Lake Road:
3: 022-01769-0000	NENW Section 32 T48N-R03W 39.47 acres PFCL 80' South U.S. 2, West of Bear Trap Rd. on Ra
4: 022-00765-0000	SWSE Section 10 T47N-R02W 40.0 acres (Morrison C North U.S. 2, East Madigan Rd:
5: 022-01214-0000	NESW Section 22 T47N-R03W 40.0 acres (Silver Cree South & East Government Rd. on corner:
6: 022-01803-0000	NESE Section 34 T48N-R03W 40.0 acres (Un-named C East of County A by the cemetery:
Sub-Total Acreage	= 220
1: 008-00013-0000	NE1/4SE1/4 T47N R3W Sec.4 40 acres East of Beaugard Road and South of Old C
2: 008-00014-0000	NW1/4SE1/4 T47N R3W Sec.4 40 acres East of Beaugard Road and South of Old C
3: 008-00038-0000	SE1/4SW1/4 T47N R3W Sec.6 40 acres West of Stones Road on the North side of t
4: 008-00041-0000	SW1/4SE1/4 T47N R3W Sec.6 40 acres West of Stones Road on the North side of t
5: 008-00042-0000	W1/2SE1/4SE1/4 T47N R3W Sec.6 20 acres West of Stones Road on the North side of t

Total Acres Purchased through 2022: 781.17 Acres of Private Land purchased for the Bad River Tribe utilizing BIA / GLRI Funding.

Air Quality Guide for Particle Pollution





ne 5 Pipeline